
**APPENDIX F. SAMPLE SPSSx AND SAS
PROGRAMS FOR MERGING
NLSY79 CHILD FILES**

Appendix F. Sample SPSSx and SAS Programs for Merging NLSY79 Child Files

```
*****/
* The sample SPSSx program reads a child-based file extracted from the NLSY79
* Child & Young Adult Data. It then reads a main Youth file extracted from
* the NLSY79 main Youth data set. The two files are sorted by case ID and
* merged to create a child-based file with additional mother characteristics
* attached to each child case ID.
* NOTE: Users who start with data in a system file format can skip the steps
* that read the ascii files.
```

```
*****/
```

```
file handle chdfile/name=Child file specifications
file handle momfile/name=Mother file specifications
file handle kidsdat/name=Temporary child-based system file
file handle momsdat/name=Temporary mother-based system file
data list file=chdfile records=1
  /1 C0000100 1-7
    C0000200 8-12
    C1526000 13-14
    C1531500 15-16
    C1531600 17-18
```

```
compute kidflag=1 /* Use flag to restrict final file after merge. */
compute momid=C0000200 /* Use same var name for ID in files to be merged. /
```

```
variable labels momid 'ID Code Of Mother Of Child'
variable labels C0000100 'ID Code Of Child'
variable labels C0000200 'ID Code Of Mother Of Child'
variable labels C1526000 'Child Conditn Requires Attention fr Dr 96'
variable labels C1531500 'Child Health Covered By Insurance 96'
variable labels C1531600 'Child Health Covered By Medicaid 96'
variable labels kidflag 'Observation From Child Dataset' /
```

```
sort cases by C0000100 /* Sort by child ID */
```

```
descriptives variables=all
title 'NLSY79 Child: Sample merge program-Child & main Youth file'
subtitle ' Extract child-based health insurance variables'
frequencies general=C1526000 C1531500 C1531600/
save outfile=kidsdat/
```

```
*****
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```
*****
```

```
data list file momfile records=1
  /1 R0000100 1-5
    R0214800 6-7
    R5625500 8-9
    R5625600 10-11
    R5625601 12-13
    R5625602 14-15
    R5625603 16-17
    R5625604 18-19
```

```

R5625605 20-21
R5625606 22-23
compute momid=R0000100 /* Use same var name for mom ID in both files. */

variable labels momid 'NLSY79 Identification Code (1-12686) 79'
variable labels R0000100 'NLSY79 Identification Code (1-12686) 79'
variable labels R0214800 'Sex Of R 79'
variable labels R5625500 'Children Have any Health-Hospitl Plan 96'
variable labels R5625600 'Hlth Plan-Current Employer Policy 96'
variable labels R5625601 'Hlth Plan-Previous Employer Policy 96'
variable labels R5625602 'Hlth Plan-Spouse-Partnr Curr Employer 96'
variable labels R5625603 'Hlth Plan-Spouse-Partnr Prev Employer 96'
variable labels R5625604 'Hlth Plan-Direct Purchase frm Med Co. 96'
variable labels R5625605 'Hlth Plan-Medicaid-Pub Assist-Welfare 96'
variable labels R5625606 'Hlth Plan - Other Source 96'

select if (R0214800=2) /* Restrict main Youth file to females */

sort cases by momid
descriptives variables=all
subtitle 'NLSY79 Females: Extract mother-based health insurance vars'

save outfile=momsdat/

*****

match files table=momsdat/file=kidsdat/by momid
select if (kidflag=1)

descriptives variables=all
subtitle 'Check final merge of NLSY79 Child & Mother files'
frequencies general=C1526000 C1531500 C1531600
                R5625500 R5625600 R5625601
                R5625602 R5625603 R5625604
                R5625605 R5625606/format=onepage

finish

```

```

/*****
* The sample SAS program reads a child-based file extracted from the NLSY79
* Child & Young Adult Data. It then reads a main Youth file extracted from
* the NLSY79 main Youth data set. The two files are sorted by case ID and
* merged to create a child-based file with additional mother characteristics
* attached to each child case ID.
* NOTE: Users who start with data in a system file format can skip the steps
* that read the ascii files.
*****/

options nocenter;

filename chdfile 'Child file specification';
filename momfile 'Mother file specification';
data one(drop=C0000200);
infile chdfile;
input @1 C0000100 7.
      C0000200 5.
      C1526000 2.
      C1531500 2.
      C1531600 2.;

kidflag=1; /* Use flag to restrict final child-based file after merge. */
momid=C0000200; /* Use same var name for mom ID in both files to be merged. */

label momid = "ID Code Of Mother Of Child";
label C0000100 = "ID Code Of Child";
label C1526000 = "Child Conditn Requires Attention fr Dr 96";
label C1531500 = "Child Health Covered By Insurance 96";
label C1531600 = "Child Health Covered By Medicaid 96";
label kidflag = "Observation From Child Dataset";

proc sort; by C0000100; /* Sort by child ID; mother ID is embedded in child ID */
proc format;
value yesnof 1 = 'Yes' 0 = 'No';

proc contents;
title1 'NLSY79 Child: Sample Merge program-Mother vars from main Youth file';
title2 ' Extract child-based child health insurance variables';
proc means;
proc freq;
tables C1526000 C1531500 C1531600;
format C1526000 C1531500 C1531600 yesnof.;
*****,
*****,
*****,
data two(drop=R0000100);
infile momfile;
input @1 R0000100 5.
      R0214800 2.
      R5625500 2.
      R5625600 2.

```

```

R5625601 2.
R5625602 2.
R5625603 2.
R5625604 2.
R5625605 2.
R5625606 2.;

momid=R0000100; /* Assign same ID name in both child & mother-based files */

label momid = "NLSY79 Identification Code (1-12686) 79";
label R0214800 = "Sex Of R 79";
label R5625500 = "Children Have any Health/Hospitl Plan 96";
label R5625600 = "Hlth Plan-Current Employer Policy 96";
label R5625601 = "Hlth Plan-Previous Employer Policy 96";
label R5625602 = "Hlth Plan-Spouse/Partnr Curr Employer 96";
label R5625603 = "Hlth Plan-Spouse/Partnr Prev Employer 96";
label R5625604 = "Hlth Plan-Direct Purchase frm Med Co. 96";
label R5625605 = "Hlth Plan-Medicaid/Pub Assist/Welfare 96";
label R5625606 = "Hlth Plan - Other Source 96";

if R0214800=2; /* Restrict main Youth file to females */

proc sort; by momid;
proc contents;
title 'NLSY79 Females: Extract child health insurance vars';
proc means;

*****.
data three;
merge one(in=kids) two(in=females); by momid;
if kids=1; /* Merge child-based and mother-based files: output as child-based file. */

proc means;
title 'Check final merge of NLSY79 Child & Mother files';
proc freq;
tables C1526000 C1531500 C1531600
R5625500 R5625600 R5625601 R5625602 R5625603 R5625604 R5625605 R5625606
C1531500*(C1526000 R5625500);
format R5625500 C1526000 C1531500 yesnof.;

proc print data=three(obs=20);

```